

## SECTION 10

### VARIABLE DIVIDER UNIT CO2/506

The CO2/506 contains a counter circuit with a division ratio which is controlled by means of d.c. input signals. The function of the CO2/506 is similar to that of the Variable Divider Unit UN17/501 (see Instruction V.14). The behaviour of the

control circuit, and the resulting division ratios, are shown in Table 1. The circuit of the CO2/506 is given in Fig. 10.1.

The CO2/506 is constructed on a CH1/26A chassis with index peg positions 6 and 23.

TABLE 1

Operating Condition	Fast Input TR1 base	Slow Input TR3 base	TR1 collector	TR3 collector	TR2 base	TR2 collector	Feedback Pulse to Bistables	Counter Ratio
Fast	+	-	-	+	-	+	1, 2, 3, 8	889
Normal	-	-	+	+	+	-	1, 3, 8	891
Slow	-	+	+	-	-	+	1, 2, 8	893

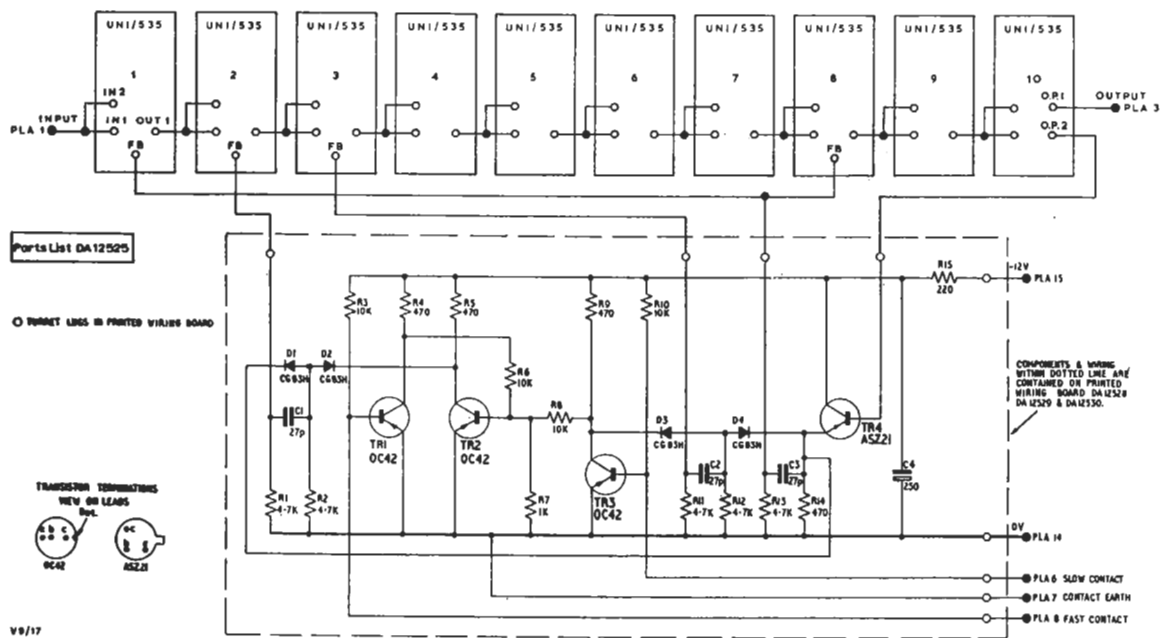


Fig. 10.1 Circuit of the CO2/506